UBEX-MMU-X200

visual engineering
LIGHTWARE

UBEX Matrix Management UNIT

UBEX-MMU-X200 is a Matrix Management Unit (MMU) for the UBEX AV Over IP optical extender product line. With a standard Ethernet switch installed as crosspoint, a virtual matrix can be created with UBEX devices connected to the IP network as input and output endpoints. The virtual matrix established requires to be managed and controlled by the MMU also connected to the Ethernet switch.

The MMU builds and constantly updates a database of the UBEX endpoints connected, displaying a traditional crosspoint view of the virtual matrix in the Lightware Device Controller (LDC) software, also displaying connected, but inactive units.

Users connect and communicate directly with the MMU in matrix mode, and MMU connects to and relays communication to the endpoint UBEX units.

The MMU displays information about endpoints and the overall virtual AV network, backup and restore functions are also provided to save and load the configuration.

The MMU also manages the firmware upgrades of the connected endpoint UBEX devices, it is possible to initiate and update of the firmware on all UBEX units present in the network. Based on the communication with the UBEX endpoints, the MMU manages and supervises bandwidth use efficiency.
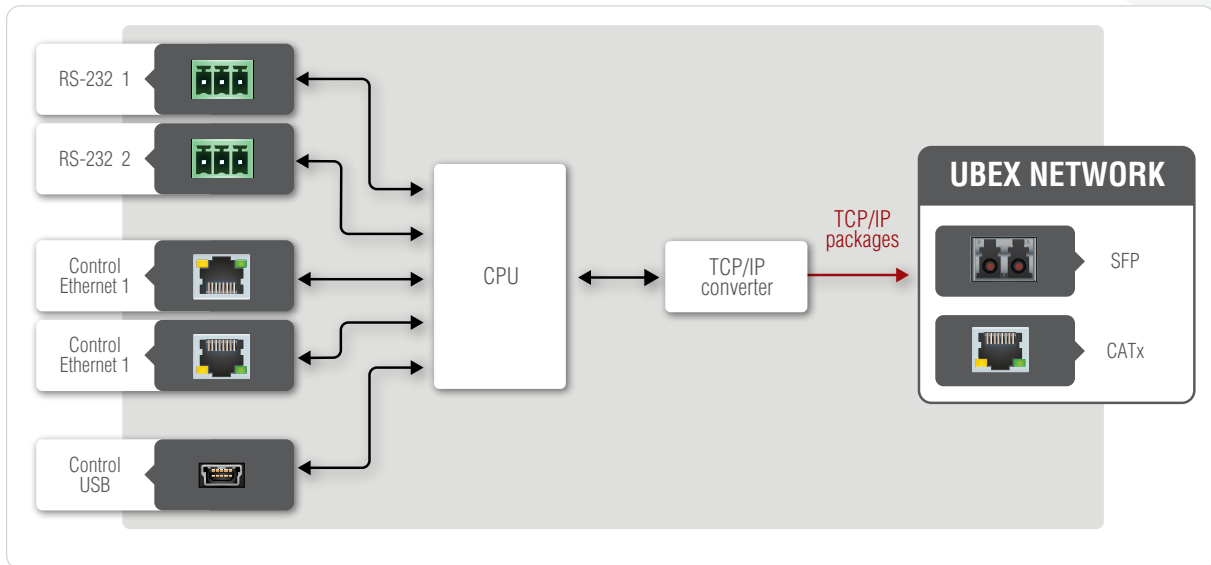
The MMU also serves as an interface for third party control systems and includes Lightware's proprietary Advanced EDID Management technology.

This device has standard one RU size and can be installed in a rack with the help of the rack ears. UBEX-MMU-X200 has an internal power source running on standard 110/220V connected via a standard IEC port to mains.

Highlight Features

- Easy access front panel Ethernet and USB ports for device control 2500 m
- Rear panel RS232 and Ethernet ports for third party control input
- UBEX network connection: RJ45 one Gbps Ethernet port and one Gbps SFP link module
- Jog-dial push button and color display
- Advanced EDID Management
- IEC standard, 110/220V power inlet port
- Standard, 1 RU size to be installed on rack with supplied rack ears

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UBEX-MMU-X200 Port Diagram

RS-232 1
RS-232 2
Control Ethernet 1
Control Ethernet 1
Control USB
CPU
TCP/IP converter
TCP/IP packages

UBEX NETWORK
SFP
CATx

UBEX-MMU-X200 Application Diagram

96-port 10G Switch
40G Optical Fiber
40G Optical Fiber
UBEX TX
UBEX TX
UBEX TX
UBEX RX
UBEX RX
UBEX RX
UBEX MMU
Media Server
Laptop
Control PC

Optical Fiber
HDMI
CATx